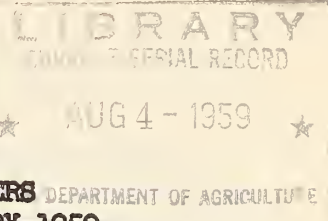


Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

A280.39
M 34 Am
Cp. 3

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
DAIRY DIVISION



BULK MILK COOLING TANKS ON FARMS OF PRODUCERS
MARKETING MILK IN FEDERAL ORDER MARKETS, JANUARY 1959

One-third of all producers-delivering milk to Federal milk order markets used bulk milk cooling tanks on their farms in January 1959. These producers delivered nearly half of all milk shipped by producers to these markets. The average quantity delivered per day by producers having bulk tanks was nearly twice the average quantity delivered by producers using milk cans.

These facts are shown in data reported for 72 markets in which Federal milk orders operated in January 1959. The 180 thousand producers supplying these markets shipped over 3 billion pounds of milk during the month. Similar surveys made in previous years record the rapid change from can deliveries to the bulk milk cooling and assembly system.

In four markets, Southeastern Florida, Rockford-Freeport, Ill., Cedar Rapids-Iowa City, Iowa, and Eastern South Dakota, all of the market supply of milk came from farm bulk tanks. In 13 other markets more than 90 percent of the supply was delivered in bulk from the farm.

The conversion from can to bulk cooling of milk has taken place rapidly in many markets. In a group of 51 markets for which can and bulk delivery data have been reported for each January since 1956 the percentage of market milk delivered from farm bulk tanks increased from 17.6 percent in January 1956 to 58.1 percent in January 1959. Individual markets showed much faster rates of conversion. In the Northern Louisiana (Shreveport) market only 1.5 percent of the total producer deliveries were from farm tanks in 1956, whereas in 1959, 92.3 percent was bulk delivered. The shift from cans to bulk tanks was equally rapid in Central West Texas where 6.6 percent of deliveries were bulk in 1956 and 98.7 percent were bulk in 1959. The Omaha-Lincoln-Council Bluffs market showed the greatest strides in conversion during the period with bulk deliveries increasing from 0 in 1956 to 37.5 percent in 1957, 83.5 percent in 1958 and 99.7 percent in 1959. Sioux City reported no deliveries of bulk milk in January 1958 but one year later bulk deliveries were 41.3 percent of the total.

In the 66 markets for which survey data were reported both for January 1958 and 1959 the number of producers having bulk tanks increased during the year from 42,113 to 53,579. In these same markets the total number of producers shipping milk dropped by 6 thousand in the same period.

Compiled by Ellen A. Henderson, Marketing Specialist, Standardization and Program Development Branch, Dairy Division, AMS

Issued July, 1959

AMS-261 (1959)

Most cooling tanks, 77 percent, had a capacity of more than 200 gallons but less than 500 gallons. The percentage of tanks holding 300 gallons or more was 56.6 percent of the total for which size was reported. This was an increase from the 53.6 percent in the 300 gallons-or-more size group reported in a similar survey in January 1958.

More than half the 1,759 tank trucks collecting milk from farm bulk tanks were owned and operated by independent haulers according to the survey. Cooperative associations of producers owned 514 trucks, 29 percent of the total, and an additional 93 trucks owned by independent haulers were operated under contracts with cooperatives. The percentage of trucks owned and operated by cooperatives was higher in January this year than the 21 percent so reported last year.

In most markets all or a very large proportion of the deliveries from farm bulk tanks are made every other day. Can milk is usually delivered on a daily basis in most markets.

Table 1.--Percent of total receipts of milk by handlers from producers having farm bulk cooling tanks as reported in Federal order markets for the month of January, 1956-59

Market	Bulk as percent of total			
	1956	1957	1958	1959
	Percent			
NEW ENGLAND				
Boston	8.4	12.3	20.7	29.5
Merrimack Valley	10.8	15.4	19.6	21.6
Springfield	28.3	45.1	58.7	64.7
Worcester	33.4	44.2	56.8	68.3
Fall River	48.3	59.9	81.0	1/
Group total			2/26.7	35.7
MIDDLE ATLANTIC				
New York-New Jersey	1.4	1/	1/	13.9
Philadelphia	5.3	8.3	10.6	17.4
Group total 3/			10.6	17.4
Group total				14.4
SOUTH ATLANTIC				
Wilmington	1/	2/16.6	21.2	44.7
Wheeling	3.9	9.5	20.0	32.7
Clarksburg	0	0	0	0
Tri-State	0	4.6	10.3	35.8
Bluefield	1/	29.8	62.9	72.1
Appalachian	13.7	28.0	55.1	61.5
Southeastern Florida	1/	1/	100.0	100.0
Group total			51.6	63.8
EAST NORTH CENTRAL				
<u>Eastern Group</u>				
Cleveland	1.4	6.1	12.1	30.2
Akron-Stark County	5.6	11.8	24.3	32.2
Upstate Michigan	1/	4.4	38.2	57.1
Muskegon	0	0	49.0	77.9
Detroit	1/	11.6	27.1	39.0
Toledo	1.8	16.9	34.8	64.7
North Central Ohio	18.3	26.1	47.0	60.9
Dayton-Springfield	17.7	38.6	53.4	67.1
Columbus	.6	6.9	19.5	35.5
Cincinnati	8.2	21.8	34.2	44.9
Group total			27.2	42.1
<u>Western Group</u>				
Fort Wayne	1.3	0	0	3.6
Milwaukee	39.6	74.9	87.2	93.0
Rockford-Freeport	1/	65.7	88.6	100.0
Chicago	24.2	45.6	59.1	71.7
South Bend-LaPorte-Elkhart	20.2	43.3	65.1	62.5
Michigan Upper Peninsula	1/	1/	1/	13.2
Group total 3/			61.3	72.6
Group total				71.5

See footnotes at end of table

Table 1.--Percent of total receipts of milk by handlers from producers having farm bulk cooling tanks as reported in Federal order markets for the month of January, 1956-59 -Continued

Market	Bulk as percent of total			
	1956	1957	1958	1959
	<u>Percent</u>			
WEST NORTH CENTRAL				
Northern Group				
Duluth-Superior	0	16.3	33.9	41.0
Minneapolis-St. Paul	1/	61.8	86.5	91.1
Dubuque	6.3	23.8	46.9	63.8
Cedar Rapids-Iowa City	77.4	91.3	100.0	100.0
Quad Cities	16.3	28.1	34.5	47.2
North Central Iowa	1/	1/	94.5	95.8
Des Moines	1/	1/	1/	26.2
Eastern South Dakota	24.7	80.7	87.6	100.0
Sioux Falls-Mitchell	71.3	85.6	93.3	94.0
Black Hills	52.0	74.4	93.9	96.5
Sioux City	0	0	0	41.3
Omaha-Lincoln-Council Bluffs	0	37.5	83.5	99.7
Platte Valley	1/	1/	87.8	97.9
Group total 3/			76.7	84.3
Group total				78.4
Southern Group				
St. Louis	2.1	50.1	60.8	72.0
Ozarks	13.7	7.6	30.8	32.2
Kansas City	6.0	11.4	21.1	37.2
Neosho Valley	2.4	11.6	12.9	25.5
Wichita	42.6	77.8	92.0	99.4
Southwest Kansas	0	16.7	25.1	32.8
Group total			43.1	54.8
EAST SOUTH CENTRAL				
Louisville	26.9	89.1	93.6	94.4
Paducah	14.1	63.8	78.4	77.1
Knoxville	5.8	12.4	16.7	26.1
Nashville	15.4	28.9	55.5	65.6
Memphis	1/	1.7	13.6	25.4
Chattanooga	1/	14.2	28.7	52.9
Central Mississippi	4.5	2.3	8.4	22.2
Mississippi Delta	1/	1/	1/	54.2
Mississippi Gulf Coast	1/	1/	1/	12.1
Group total 3/			47.0	55.9
Group total				54.2

See footnotes at end of table

Table 1.--Percent of total receipts of milk by handlers from producers having farm bulk cooling tanks as reported in Federal order markets for the month of January, 1956-59 -Continued

Market	Bulk as percent of total			
	1956	1957	1958	1959
	Percent			
WEST SOUTH CENTRAL				
Northern Group				
Central Arkansas	1/	21.3	32.1	44.0
Fort Smith	0	0	0	0
Oklahoma Metropolitan	9.2	25.5	37.0	49.4
Red River Valley	1/	1/	1/	71.2
Texas Panhandle	2.8	7.0	31.3	60.5
Group total 3/			33.0	47.5
Group total				50.9
Southern Group				
New Orleans	.7	.9	11.3	23.0
Northern Louisiana	1.5	13.1	13.1	92.3
North Texas	20.3	38.3	60.6	74.9
Austin-Waco	15.5	33.8	53.1	81.1
San Antonio	16.6	16.8	35.1	65.4
Corpus Christi	31.2	45.5	59.6	85.2
Central West Texas	6.6	20.4	55.6	98.7
Group total			45.3	69.2
MOUNTAIN				
Central Arizona	1/	96.8	96.5	98.8
Group total			96.5	98.8
PACIFIC				
Puget Sound 4/	81.0	84.5	90.0	94.3
Inland Empire	1/	0	24.5	86.2
Group total			79.6	93.1
Total 3/			46.8	59.4
Total				47.3
Total 5/	17.6	33.2	45.0	58.1

1/ Federal milk order not effective or data not reported.

2/ June 1957.

3/ 1959 percentage based on only those markets for which data were also reported for 1958.

4/ Data reported for November of previous year.

5/ Percentages based on data for 51 markets for which reports were received for all four periods.

Table 2.--Number and percent of producers in Federal milk order markets having farm bulk cooling tanks for milk, January 1958 and January 1959

Market	Producers having bulk tanks			
	Number		Percent of all producers	
	1958	1959	1958	1959
	Number	Number	Percent	Percent
NEW ENGLAND				
Boston	1,578	2,129	14.5	21.1
Merrimack Valley	123	109	12.1	12.8
Springfield	443	538	43.1	47.4
Worcester	304	391	41.4	53.3
Group total	2,448	3,167	17.9	24.7
MIDDLE ATLANTIC				
New York-New Jersey	1/	3,526	1/	7.0
Philadelphia	458	847	5.8	11.1
Group total 2/	458	847	5.8	11.1
Group total		4,373		7.5
SOUTH ATLANTIC				
Wilmington	54	115	13.8	33.3
Wheeling	156	271	11.7	21.2
Clarksburg	0	0	0	0
Tri-State	98	457	4.7	24.9
Bluefield	154	176	56.8	64.5
Appalachian	309	347	46.1	52.2
Southeastern Florida	94	97	100.0	100.0
Group total	865	1,463	16.1	29.2
EAST NORTH CENTRAL				
Eastern Group				
Cleveland	440	1,046	5.5	14.2
Akron-Stark County	298	377	14.5	17.0
Upstate Michigan	177	285	32.7	50.5
Muskegon	206	343	36.5	69.6
Detroit	2,014	2,772	16.7	24.5
Toledo	389	745	24.1	52.4
North Central Ohio	344	549	28.8	42.5
Dayton-Springfield	824	1,036	37.1	49.8
Columbus	180	345	9.7	20.2
Cincinnati	687	952	18.0	25.8
Group total	5,559	8,450	16.3	26.3
Western Group				
Fort Wayne	0	1	0	0.1
Milwaukee	1,752	1,869	83.6	90.0
Rockford-Freeport	184	186	80.0	100.0
Chicago	9,984	12,401	48.9	61.4
South Bend-LaPorte-Elkhart	538	638	54.1	49.3
Michigan Upper Peninsula	1/	60	1/	7.4
Group total 2/	12,458	15,095	50.7	61.4
Group total		15,155		59.7

See footnotes at end of table

Table 2 --Number and percent of producers in Federal milk order markets having farm bulk cooling tanks for milk, January 1958 and January 1959 -Continued

Market	Producers having bulk tanks			
	Number		Percent of all producers	
	1958	1959	1958	1959
	Number	Number	Percent	Percent
WEST NORTH CENTRAL				
Northern Group				
Duluth-Superior	311	388	23.2	30.2
Minneapolis-St. Paul	3,046	2,923	83.7	89.4
Dubuque	87	126	35.8	53.6
Cedar Rapids-Iowa City	759	747	100.0	100.0
Quad Cities	246	321	24.7	35.4
North Central Iowa	738	613	92.1	93.3
Des Moines	1/	274	1/	19.5
Eastern South Dakota	103	155	82.4	100.0
Sioux Falls-Mitchell	297	305	92.0	92.4
Black Hills	129	126	90.2	94.0
Sioux City	0	85	0	26.0
Omaha-Lincoln-Council Bluffs	1,296	1,394	72.1	99.4
Platte Valley	316	342	81.0	95.8
Group total 2/	7,328	7,525	67.0	76.7
Group total		7,799		69.6
Southern Group				
St. Louis	1,810	2,018	47.7	55.8
Ozarks	198	189	17.5	18.6
Kansas City	421	716	12.2	21.8
Neosho Valley	58	99	7.7	12.7
Wichita	697	773	85.4	98.5
Southwest Kansas	55	60	19.4	23.4
Group total	3,239	3,855	31.7	39.6
EAST SOUTH CENTRAL				
Louisville	1,765	1,740	90.3	91.5
Paducah	202	225	61.8	73.5
Knoxville	85	149	8.3	15.5
Nashville	486	691	32.7	48.6
Memphis	103	163	9.5	15.8
Chattanooga	157	334	19.5	43.9
Central Mississippi	57	168	5.4	16.7
Mississippi Delta	1/	132	1/	37.6
Mississippi Gulf Coast	1/	24	1/	5.1
Group total 2/	2,855	3,470	36.9	46.9
Group total		3,626		46.9

See footnotes at end of table

Table 2.--Number and percent of producers in Federal milk order markets having farm bulk cooling tanks for milk, January 1958 and January 1959 -Continued

Market	Producers having bulk tanks			
	Number		Percent of all producers	
	1958	1959	1958	1959
	<u>Number</u>	<u>Number</u>	<u>Percent</u>	<u>Percent</u>
WEST SOUTH CENTRAL				
Northern Group				
Central Arkansas	267	390	26.8	37.0
Fort Smith	0	0	0	0
Oklahoma Metropolitan	587	868	22.4	34.1
Red River Valley	1/	352	1/	61.8
Texas Panhandle	136	270	23.4	52.3
Group total 2/	990	1,528	21.8	34.9
Group total		1,880		38.0
Southern Group				
New Orleans	172	325	7.2	13.9
Northern Louisiana	126	505	25.1	88.8
North Texas	1,325	1,724	42.3	57.5
Austin-Waco	179	289	41.0	71.2
San Antonio	111	328	21.9	62.2
Corpus Christi	203	284	42.7	68.6
Central West Texas	242	503	39.7	97.1
Group total	2,358	3,958	29.3	51.0
MOUNTAIN				
Central Arizona	431	430	93.9	98.2
Group total	431	430	93.9	98.2
PACIFIC				
Puget Sound 3/	2,954	3,162	81.8	88.3
Inland Empire	170	629	18.3	77.9
Group total	3,124	3,791	68.8	86.4
Total 2/	42,113	53,579	31.9	42.5
Total		57,947		32.2

1/ Federal milk order not effective or data not reported.

2/ 1959 figures based on only those markets for which data were also reported for 1958.

3/ Data reported for November of previous year.

Table 3.--Average daily deliveries of milk per producer using farm bulk tank and shipping milk in cans, Federal order milk markets, January 1958 and January 1959

Market	Average daily deliveries per producer					
	From bulk tank		In cans		Ratio bulk to can	
	1958	1959	1958	1959	1958	1959
	Pounds	Pounds	Pounds	Pounds	Ratio	Ratio
NEW ENGLAND						
Boston	589	602	381	384	1.55	1.57
Merrimack Valley	661	688	375	366	1.76	1.88
Springfield	723	767	385	377	1.88	2.03
Worcester	765	711	411	377	1.86	1.89
Group total	639	646	382	382	1.67	1.69
MIDDLE ATLANTIC						
New York-New Jersey	1/	1,005	1/	467	1/	2.15
Philadelphia	930	811	488	479	1.91	1.69
Group total 2/	930	811	488	479	1.91	1.69
Group total		968		469		2.06
SOUTH ATLANTIC						
Wilmington	972	865	581	534	1.67	1.62
Wheeling	519	495	276	273	1.88	1.81
Clarksburg	0	0	356	348	--	--
Tri-State	643	452	278	269	2.31	1.68
Bluefield	578	585	450	412	1.28	1.42
Appalachian	767	684	449	468	1.71	1.46
Southeastern Florida	11,571	12,663	0	0	--	--
Group total	1,823	1,373	329	320	5.54	4.29
EAST NORTH CENTRAL						
<u>Eastern Group</u>						
Cleveland	868	922	370	351	2.35	2.63
Akron-Stark County	826	893	375	387	2.20	2.31
Upstate Michigan	488	530	384	407	1.27	1.30
Muskegon	616	649	369	422	1.67	1.54
Detroit	685	783	368	398	1.86	1.97
Toledo	693	722	405	423	1.71	1.71
North Central Ohio	675	671	308	323	2.19	2.08
Dayton-Springfield	645	604	332	294	1.94	2.05
Columbus	877	799	388	369	2.26	2.17
Cincinnati	562	529	237	225	2.37	2.35
Group total	682	727	354	357	1.93	2.04
<u>Western Group</u>						
Fort Wayne	0	936	296	315	--	2.97
Milwaukee	785	861	548	592	1.43	1.45
Rockford-Freeport	759	795	392	0	1.94	--
Chicago	843	896	557	562	1.51	1.59
South Bend-LaPorte-Elkhart	621	661	393	385	1.58	1.72
Michigan Upper Peninsula	0	752	0	399	1/	1.88
Group total 2/	823	881	534	529	1.54	1.67
Group total		880		519		1.70

See footnotes at end of table

Table 3.--Average daily deliveries of milk per producer using farm bulk tank and shipping milk in cans, Federal order milk markets, January 1958 and January 1959 -Continued

Market	Average daily deliveries per producer					
	From bulk tank		In cans		Ratio bulk to can	
	1958	1959	1958	1959	1958	1959
	Pounds	Pounds	Pounds	Pounds	Ratio	Ratio
WEST NORTH CENTRAL						
Northern Group						
Duluth-Superior	491	524	289	326	1.70	1.61
Minneapolis-St. Paul	713	781	570	643	1.25	1.21
Dubuque	817	838	515	549	1.59	1.53
Cedar Rapids-Iowa City	661	719	0	0	--	--
Quad Cities	789	800	489	491	1.61	1.63
North Central Iowa	794	898	541	553	1.47	1.62
Des Moines	1/	715	1/	490	1/	1.46
Eastern South Dakota	691	875	457	0	1.51	--
Sioux Falls-Mitchell	750	875	614	681	1.22	1.28
Black Hills	753	837	439	478	1.72	1.75
Sioux City	0	1,003	496	500	--	2.01
Omaha-Lincoln-Council Bluffs	541	578	277	331	1.95	1.75
Platte Valley	641	692	373	347	1.72	1.99
Group total 2/	677	740	417	454	1.62	1.63
Group total		740		466		1.59
Southern Group						
St. Louis	585	595	345	292	1.70	2.04
Ozarks	703	655	335	316	2.10	2.07
Kansas City	843	886	438	417	1.92	2.12
Neosho Valley	713	865	391	368	1.82	2.35
Wichita	650	676	337	216	1.93	3.13
Southwest Kansas	702	845	516	529	1.36	1.60
Group total	643	679	393	367	1.64	1.85
EAST SOUTH CENTRAL						
Louisville	534	534	341	344	1.57	1.55
Paducah	483	437	215	361	2.25	1.21
Knoxville	932	808	424	419	2.20	1.93
Nashville	709	594	276	294	2.56	2.02
Memphis	1,053	944	457	458	2.30	2.06
Chattanooga	708	615	426	428	1.66	1.44
Central Mississippi	668	618	414	443	1.61	1.40
Mississippi Delta	1/	740	1/	377	1/	1.96
Mississippi Gulf Coast	1/	750	1/	294	1/	2.55
Group total 2/	589	577	388	402	1.52	1.44
Group total		584		390		1.50

See footnotes at end of table

Table 3.--Average daily deliveries of milk per producer using farm bulk tank and shipping milk in cans, Federal order milk markets, January 1958 and January 1959 -Continued

Market	Average daily deliveries per producer					
	From bulk tank		In cans		Ratio bulk to can	
	1958	1959	1958	1959	1958	1959
	Pounds	Pounds	Pounds	Pounds	Ratio	Ratio
WEST SOUTH CENTRAL						
Northern Group						
Central Arkansas	642	719	440	459	1.46	1.57
Fort Smith	0	0	328	434	--	--
Oklahoma Metropolitan	744	740	367	392	2.03	1.89
Red River Valley	1/	774	1/	504	1/	1.54
Texas Panhandle	788	795	529	570	1.49	1.39
Group total 2/	695	705	394	419	1.76	1.68
Group total		718		425		1.69
Southern Group						
New Orleans	592	676	363	367	1.63	1.84
Northern Louisiana	704	697	555	426	1.27	1.64
North Texas	995	1,011	474	457	2.10	2.21
Austin-Waco	1,098	1,111	672	641	1.63	1.73
San Antonio	1,639	1,102	849	963	1.93	1.14
Corpus Christi	1,103	1,141	558	434	1.98	2.63
Central West Texas	1,006	903	529	419	1.90	2.16
Group total	977	949	488	440	2.00	2.16
MOUNTAIN						
Central Arizona	2,301	2,582	1,269	1,633	1.81	1.58
Group total	2,301	2,588	1,268	1,633	1.81	1.58
PACIFIC						
Puget Sound 3/	724	766	362	346	2.00	2.21
Inland Empire	632	602	431	339	1.47	1.78
Group total	697	718	393	336	1.77	2.14
Total 2/	772	803	410	406	1.88	1.98
Total		815		430		1.90

1/ Federal milk order not effective or data not reported.

2/ 1959 figures based on only those markets for which data were also reported for 1958.

3/ Data reported for November of previous year.

Table 4.--Number of farm bulk milk tanks by size, 58 Federal order markets,
January 1959

Market	Size of tank (gallons)						Total
	100- less	150- 199	200- 299	300- 399	400- 499	500- more	
	Number	Number	Number	Number	Number	Number	Number
NEW ENGLAND							
Boston	39	226	457	556	428	341	2,047
Merrimack Valley	3	12	42	13	13	11	94
Springfield	1/29	85	151	136	83	50	534
Worcester	14	56	123	92	55	32	372
MIDDLE ATLANTIC							
Philadelphia	8	43	98	303	105	108	665
SOUTH ATLANTIC							
Wilmington	0	0	7	14	7	10	38
Tri-State	9	89	194	100	30	34	456
Bluefield	4	26	50	52	19	25	176
Appalachian	2	25	69	124	61	51	332
EAST NORTH CENTRAL							
Eastern Group							
Upstate Michigan	9	26	105	85	44	16	285
Muskegon	3	41	127	122	29	21	343
Detroit	18	199	874	1,004	427	200	2,722
Toledo	4	72	247	199	134	89	745
North Central Ohio	2	44	246	135	80	38	545
Dayton-Springfield	5	129	397	226	116	62	935
Columbus	1	10	75	95	97	67	345
Cincinnati	14	161	367	249	109	52	952
Western Group							
Fort Wayne	0	0	0	0	1	0	1
South Bend-LaPorte-Elkhart	2	247	255	64	57	13	638
Michigan Upper Peninsula	0	3	14	25	8	10	60
WEST NORTH CENTRAL							
Northern Group							
Duluth-Superior	5	2/47	170	128	28	10	388
Minneapolis-St. Paul	26	127	646	1,319	559	246	2,923
Dubuque	0	11	44	51	18	2	126
Cedar Rapids-Iowa City	5	26	110	453	78	75	747
Quad Cities	1	22	118	110	52	18	321
North Central Iowa	2	17	182	209	146	57	613
Des Moines	2	11	131	80	33	17	274
Eastern South Dakota	1	15	37	61	27	14	155
Sioux Falls-Mitchell	0	19	84	120	52	15	290
Black Hills	2	5	60	35	17	8	127
Sioux City	0	0	0	18	36	31	85
Omaha-Lincoln-Council Bluffs	41	367	534	404	28	20	1,394
Platte Valley	3	57	172	71	27	12	342

Continued

Table 4.--Number of farm bulk milk tanks by size, 58 Federal order markets, January 1959--Continued

Market	Size of tank (gallons)						Total
	100- less	150- 199	200- 299	300- 399	400- 499	500- more	
	Number	Number	Number	Number	Number	Number	Number
WEST NORTH CENTRAL - Cont'd.							
Southern Group							
St. Louis	2	133	1,030	478	250	125	2,018
Ozarks	0	0	18	48	69	54	189
Kansas City	0	4	39	82	90	100	315
Neosho Valley	0	0	12	30	30	27	99
Wichita	113	250	220	110	50	30	773
Southwest Kansas	0	0	35	12	8	5	60
EAST SOUTH CENTRAL							
Louisville	35	493	888	228	69	27	1,740
Paducah	6	9	90	90	17	13	225
Knoxville	0	11	42	42	28	22	145
Nashville	16	60	261	207	91	56	691
Memphis	1	6	11	60	43	42	163
Chattanooga	0	68	98	90	41	39	336
Central Mississippi	0	14	40	66	27	22	169
Mississippi Delta	0	5	15	33	39	40	132
Mississippi Gulf Coast	0	0	0	12	5	8	25
WEST SOUTH CENTRAL							
Northern Group							
Central Arkansas	0	11	44	153	79	11	298
Oklahoma Metropolitan	0	44	148	335	174	158	859
Red River Valley	5	3	113	120	54	52	347
Texas Panhandle	0	3	24	70	82	91	270
Southern Group							
New Orleans	0	13	52	88	40	48	241
Northern Louisiana	6	10	96	189	78	112	491
Austin-Waco	3	7	46	77	59	99	291
Corpus Christi	0	7	46	66	60	104	283
MOUNTAIN							
Central Arizona	0	5	31	108	86	187	417
PACIFIC							
Inland Empire	10	27	155	213	116	109	630
TOTAL (58 markets)	451	3,401	9,740	9,660	4,689	3,336	31,277

1/ 149-less.

2/ 101-199.

Table 5.--Number of tank trucks collecting milk from bulk tanks by type of owner, 65 Federal order markets, January 1959

Market	Milk	Cooperative	Inde-	Other	Total
	com-	associations	pendent		
	panies:	of producers	haulers	3/	
	1/	Operating	Not	2/	
		plants	operating		
		plants	plants		
	Number	Number	Number	Number	Number
NEW ENGLAND					
Springfield	11	0	0	17	28
Worcester	12	0	0	5	17
MIDDLE ATLANTIC					
Philadelphia	6	0	0	44	51
SOUTH ATLANTIC					
Wilmington	3	0	0	3	6
Wheeling	8	0	0	3	11
Clarksburg	0	0	0	0	0
Tri-State	5	0	2	12	19
Bluefield	4	0	3	1	8
Appalachian	1	0	16	0	17
EAST NORTH CENTRAL					
Eastern Group					
Cleveland	2	0	3	38	43
Akron-Stark County	1	0	0	28	29
Upstate Michigan	2	0	4	6	12
Muskegon	2	7	0	4	13
Detroit	10	13	0	133	162
Toledo	0	0	0	40	40
North Central Ohio	7	0	0	19	26
Dayton-Springfield	10	4	0	35	49
Columbus	1	0	6	18	25
Cincinnati	3	12	0	24	39
Western Group					
Fort Wayne	0	0	0	1	1
Milwaukee	0	0	63	0	63
South Bend-LaPorte-Elkhart	6	0	0	25	31
Michigan Upper Peninsula	4	0	0	2	6
WEST NORTH CENTRAL					
Northern Group					
Duluth-Superior	5	5	0	2	12
Minneapolis-St. Paul	1	0	86	12	105
Dubuque	1	0	0	5	6
Cedar Rapids-Iowa City	0	30	0	6	36
Quad Cities	1	4	0	10	15
North Central Iowa	8	0	5	17	30
Des Moines	2	5	0	7	14
Eastern South Dakota	3	1	2	1	7
Sioux Falls-Mitchell	0	0	0	13	13
Black Hills	0	0	4	0	5
Sioux City	0	0	4	0	4
Omaha-Lincoln-Council Bluffs	0	0	0	43	43
Platte Valley	0	0	0	12	12

Continued

Table 5.--Number of tank trucks collecting milk from bulk tanks by type of owner, 65 Federal order markets, January 1959 - Continued

Market	Cooperative					Total
	Milk	associations	Inde			
	com-	of producers	pendent	Other:		
	panies:	Operating	Not	haulers:	3/	
	1/	plants	operating:	2/		
			plants			
	Number	Number	Number	Number	Number	
WEST NORTH CENTRAL - Cont'd :						
Southern Group	:					
Ozarks	: 0	5	4	0	0 9	
Kansas City	: 2	31	0	6	0 39	
Neosho Valley	: 1	5	1	0	0 7	
Wichita	: 0	4	1	23	2 30	
Southwest Kansas	: 3	0	1	0	0 4	
EAST SOUTH CENTRAL :						
Louisville	: 2	0	0	69	0 71	
Paducah	: 0	0	9	0	0 9	
Knoxville	: 0	0	7	1	2 10	
Nashville	: 11	0	0	17	0 28	
Memphis	: 0	1	2	9	0 12	
Chatanooga	: 7	0	5	1	0 13	
Central Mississippi	: 3	2	2	2	0 9	
Mississippi Delta	: 1	3	0	3	0 7	
Mississippi Gulf Coast	: 0	0	1	0	0 1	
WEST SOUTH CENTRAL :						
Northern Group	:					
Central Arkansas	: 0	0	14	0	0 14	
Fort Smith	: 0	0	0	0	0 0	
Oklahoma Metropolitan	: 7	12	16	4/1	4 40	
Red River Valley	: 8	7	1	1	0 17	
Texas Panhandle	: 0	0	13	5	0 18	
Southern Group :						
New Orleans	: 1	0	0	11	0 12	
Northern Louisiana	: 3	0	0	19	0 22	
North Texas	: 2	0	10	4/80	0 92	
Austin-Waco	: 9	2	0	2	1 14	
San Antonio	: 0	0	0	22	33 55	
Corpus Christi	: 6	0	0	8	8 22	
Central West Texas	: 0	0	17	4/12	0 29	
MOUNTAIN :						
Central Arizona	: 21	1	2	12	3 39	
PACIFIC :						
Puget Sound	: 20	46	2	47	3 118	
Inland Empire	: 5	8	0	7	0 20	
TOTAL (65 markets)	: 231	208	306	944	70 1,759	

1/ Not cooperatively owned by producers.

2/ Not employed by milk companies or cooperative associations of producers.

3/ Mostly producer owned.

4/ Under contract with cooperative association.

Table 6.--Percent of bulk tank truck routes collecting milk from farms every other day and percent of can routes collecting milk daily, 68 Federal order markets, January 1959

Market	Routes		Market	Routes	
	Bulk	Can		Bulk	Can
	every other day	daily		every other day	daily
NEW ENGLAND	Percent		W. N. CENTRAL - Cont'd	Percent	
Boston	99	99	Northern Group		
Merrimack Valley	100	95	Sioux City	100	100
Springfield	99	99	Omaha-Lincoln-C. Bluffs	100	100
Worcester	90	90	Platte Valley	100	20
			Eastern South Dakota	100	0
MIDDLE ATLANTIC					
New York-New Jersey	87	100	Southern Group		
Philadelphia	96	100	St. Louis	100	100
			Ozarks	100	100
SOUTH ATLANTIC			Kansas City	100	100
Wilmington	100	100	Neosho Valley	100	100
Wheeling	75	96	Wichita	100	100
Clarksburg	0	98	Southwest Kansas	100	100
Tri-State	99	100			
Bluefield	100	100	EAST SOUTH CENTRAL		
Appalachian	100	100	Louisville	96	23
			Paducah	100	100
EAST NORTH CENTRAL			Knoxville	80	63
Eastern Group			Nashville	100	100
Cleveland	90	100	Memphis	100	100
Akron-Stark County	100	95	Chattanooga	100	100
Upstate Michigan	100	100	Central Mississippi	87	91
Detroit	99	99	Mississippi Delta	100	50
Toledo	100	100	Mississippi Gulf Coast	100	100
North Central Ohio	98	99			
Dayton-Springfield	100	100	WEST SOUTH CENTRAL		
Columbus	100	100	Northern Group		
Cincinnati	100	100	Central Arkansas	100	98
			Oklahoma Metropolitan	98	99
Western Group			Red River Valley	100	80
Fort Wayne	100	100	Texas Panhandle	100	100
Milwaukee	52	100			
Chicago	22	100	Southern Group		
S. Bend-LaPorte-Elkhart	61	100	New Orleans	100	99
Michigan Upper Peninsula	100	100	Northern Louisiana	100	100
			North Texas	98	100
WEST NORTH CENTRAL			Austin-Waco	95	82
Northern Group			San Antonio	90	100
Duluth-Superior	100	87	Corpus Christi	85	100
Minneapolis-St. Paul	100	100	Central West Texas	100	57
Dubuque	91	100			
Cedar Rapids-Iowa City	99	0	MOUNTAIN		
Quad Cities	100	100	Central Arizona	23	50
North Central Iowa	100	100			
Des Moines	100	100	PACIFIC		
Sioux Falls-Mitchell	99	100	Puget Sound	97	100
Black Hills	98	100	Inland Empire	100	52

